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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	10/773,916
		Filing Date	February 6, 2004
		First Named Inventor	Galt W. Hulsman
		Group Art Unit	1652
		Examiner Name	Charles L. Patterson, Jr.
Attorney Docket Number	MBX 017 CON (2)		

Sheet 1 of 14

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
		4,430,430		Momose, et al.	02-07-1989	
		4,878,331		Doi	10-24-1989	
		5,245,023		Peoples, et al.	09-14-1993	
		5,250,430		Peoples, et al.	10-09-1993	
		5,286,842		Kimura	02-15-1994	
		5,282,880		Shiotani et al.	03-08-1994	
		5,378,818		Tajima, et al.	01-03-1995	
		5,461,139		Gonda, et al.	10-24-1995	
		5,502,273		Bright, et al.	03-28-1996	
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		5,602,321		John	02-11-1997	
		5,610,041		Somerville, et al.	03-11-1997	
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		5,117,858		Dennis et al.	09-12-2000	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Office*	Number*	Kind Code* (if known)				
CA		CA	2,008,508		Xerox	03-26-1988		
		WO	81/00817		Mass. Inst. Tech.	01-24-1981		
		WO	82/19747		Imperial Chem. Ind. PLC	11-12-1982		
		WO	83/02187		Michigan State Univ.	07-13-1982		
		WO	83/02194		Imperial Chem. Ind. PLC	07-15-1982		
		WO	83/08225		Ctr. Innovative Technology	04-01-1993		
		WO	84/11519		Zeneca Limited	05-28-1994		
		WO	84/12014		Agracetus, Inc.	06-03-1994		
		WO	85/20514		Procter & Gamble	11-15-1994		
		WO	85/20515		Procter & Gamble	08-03-1995		
		WO	88/20521		FACO	07-11-1996		
	Examine Signature					Date Considered		

 Examiner Signature: *C. Patterson* Date Considered: 9/23/05

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/773,916
		Filing Date	February 6, 2004
		First Named Inventor	Gjalt W. Hulsman
		Group Art Unit	1852
		Examiner Name	Charles L. Patterson, Jr.
Attorney Docket Number	MBX 017 CON (2)		
Sheet	2	of	14

OTHER ART - NON PATENT LITERATURE DOCUMENTS		
Examiner's Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
		ABE, et al., "Biosynthesis from gluconate of a random copolyester consisting of 3-hydroxybutyrate and medium-chain-length 3-hydroxyalkanoates by <i>Pseudomonas</i> sp. 61-3," <i>Int. J. Biol. Macromol.</i> 16:115-119 (1994).
		AIDOO, et al., "Cloning, sequencing and disruption of a gene from <i>Streptomyces clavuligerus</i> involved in clavulanic acid biosynthesis," <i>Gene</i> 147:41 (1994).
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		BELL AND MALMBERG, "Analysis of a cDNA encoding arginine decarboxylase from oat reveals similarity to the <i>Escherichia coli</i> arginine decarboxylase and evidence of protein processing," <i>Mol. Gen. Genet.</i> 224:431 (1990).

Examiner's Signature		Date Considered	9/23/05
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		Filing Date	February 6, 2004
		First Named Inventor	Gjalt W. Hulsman
		Group Art Unit	1652
		Examiner Name	Charles L. Patterson, Jr.
Sheet	3	of	14
		Attorney Docket Number	MBX 017 CON (2)

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		BENACHENHOU-LAHFA, et al., "PCR-mediated cloning and sequencing of the gene encoding glutamate dehydrogenase from the archaeson <i>Sulfolobus shibatae</i> : Identification of putative amino-acid signatures for extremophilic adaptation," <i>Gene</i> 140: 17-24 (1994).	
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		CHANG, et al., "Nucleotide Sequence of cDNA (Accession No. U83832) Encoding Arginine Decarboxylase from Carnation Flowers," <i>Plant Physiol.</i> 112:863 (1996).	
		CHAVEZ, et al., "The NADP-glutamate dehydrogenase of the cyanobacterium <i>Synechocystis</i> 6803: cloning, transcriptional analysis and disruption of the <i>gdhA</i> gene," <i>Plant Mol. Biol.</i> 28:173-188 (1995).	
		CHEN & MALOY, "Regulation of proline utilization in enteric bacteria: cloning and characterization of the <i>Klebsiella</i> put control region," <i>J. Bacteriol.</i> 173:783 (1991).	
		CHO, et al., "Identification of <i>Agrobacterium tumefaciens</i> genes that direct the complete catabolism of octopine," <i>J. Bacteriol.</i> 178:1872 (1996).	

Examiner's Signature	<i>C. Patterson</i>	Date Considered	9/27/05
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/773,916
		Filing Date	February 6, 2004
		First Named Inventor	Gjalt W. Huisman
		Group Art Unit	1652
		Examiner Name	Charles L. Petterson, Jr.
Sheet 4 of 14	Attorney Docket Number	MBX 017 CON (2)	

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
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		CHU, et al., "Enzymatically active truncated cat brain glutamate decarboxylase: expression, purification, and absorption spectrum," <i>Arch. Biochem. Biophys.</i> 313:287-295 (1994).	
		COCK, et al., "A nuclear gene with many introns encoding ammonium-inducible chloroplastic NADP-specific glutamate dehydrogenase(s) in <i>Chlorella sorokiniana</i> ," <i>Plant Mol. Biol.</i> 17:1023-144 (1991).	
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		DOI, "Microbial Synthesis, Physical Properties, and Biodegradability of Polyhydroxyalkanoates," <i>Macromol. Symp.</i> 68:585-599 (1995).	
		DOI, et al., "Biosynthesis and characterization of poly(3-hydroxybutyrate-co-4-hydroxybutyrate) in <i>Alcaligenes eutrophus</i> ," <i>Int. J. Biol. Macromol.</i> 12: 106 (1990).	

Examiner's Signature	<i>C. Petterson</i>	Date Considered	6/23/05
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INFORMATION DISCLOSURE
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Application Number	10/773,816
Filing Date	February 6, 2004
First Named Inventor	Gjalt W. Huisman
Group Art Unit	1652
Examiner Name	Charles L. Patterson, Jr.
Attorney Docket Number	MBX 017 CON (2)

Sheet 5 of 14

OTHER ART - NON PATENT LITERATURE DOCUMENTS

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		DOI, et al., "Nuclear Magnetic Resonance Studies on Unusual Bacterial Copolyesters of 3-Hydroxybutyrate and 4-Hydroxybutyrate," <i>Macromolecules</i> 21:2722-2727 (1988).	
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		GALLEGO, et al., "A role for glutamate decarboxylase during tomato ripening: the characterization of a cDNA encoding a putative glutamate decarboxylase with a calmodulin-binding site," <i>Plant Mol. Biol.</i> 27:1143-1151 (1995).	
		GALLOWAY, et al., "Phylogenetic utility of the nuclear gene arginine decarboxylase: an example from Brassicaceae," <i>Mol Biol Evol.</i> 16(10):1312-20 (1999).	
		GASSER & FRALEY, "Genetically Engineering Plants for Crop Improvement," <i>Science</i> 244:1293-1299 (1988).	
		GERNGROSS, et al., "Enzyme-catalyzed synthesis of poly[(R)-(-)-3-hydroxybutyrate]: formation of macroscopic granules in vitro," <i>Proc. Natl. Acad. Sci. USA</i> 92:6278 (1995).	
		GERNGROSS, et al., "Overexpression and purification of the soluble polyhydroxyalkanoate synthase from <i>Alcaligenes eutrophus</i> : evidence for a required posttranslational modification for catalytic activity," <i>Biochemistry</i> 33: 9311 (1994).	

Examiner's Signature		Date Considered	8/23/05
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete If Known

Application Number	10773,916
Filing Date	February 6, 2004
First Named Inventor	Gjalt W. Huisman
Group Art Unit	1662
Examiner Name	Charles L. Patterson, Jr.
Attorney Docket Number	MBX 017 CON (2)

Sheet 6 of 14

OTHER ART - NON PATENT LITERATURE DOCUMENTS

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		GONZALES, et al., "Cloning of a yeast gene coding for the glutamate synthase small subunit (GLU52) by complementation of <i>Saccharomyces cerevisiae</i> and <i>Escherichia coli</i> glutamate auxotrophs," <i>Mol. Microbiol.</i> 6:301-308 (1992).	
		GREGGERSON, et al., "Molecular characterization of NADH-dependent glutamate synthase from alfalfa nodules," <i>Plant Cell</i> 5:215 (1993).	
		HEIN, et al., "Biosynthesis of poly(4-hydroxybutyric acid) by recombinant strains of <i>Escherichia coli</i> ," <i>FEMS Microbiol. Lett.</i> 153:411-418 (1997).	
		HERRERO, et al., "Transposon vectors containing non-antibiotic resistance selection markers for cloning and stable chromosomal insertion of foreign genes in gram-negative bacteria," <i>J. Bacteriol.</i> 172:6567-6567 (1990).	
		HIRAMITSU, et al., "Production of Poly(3-hydroxybutyrate-co-4-hydroxybutyrate) by <i>Alcaligenes Latus</i> ," <i>Biotechnol. Lett.</i> 15:481 (1993).	
		JESUDASON & MARCHESSAULT, "Synthetic Poly[(R,S)-4-hydroxyalkanoates] with Butyl and Hexyl Side Chains," <i>Macromolecules</i> 27:2585-602 (1994).	
		JIMENEZ-ZURDO, et al., "The <i>Rhizobium meliloti</i> putA gene: its role in the establishment of the symbiotic interaction with alfalfa," <i>Mol. Microbiol.</i> 23:85 (1997).	
		JOHNSTON, et al., "Complete nucleotide sequence of <i>Saccharomyces cerevisiae</i> chromosome VIII," <i>Science</i> 265:2077 (1994).	
		KANEKO, et al., "Sequence analysis of the genome of the unicellular cyanobacterium <i>Synschoecystis</i> sp. strain PCC8803. II. Sequence determination of the entire genome and assignment of potential protein-coding regions," <i>DNA Res.</i> 3:109 (1996).	
		KATO, et al., "Open reading frame 3 of the barotolerant bacterium strain DSS12 is complementary with <i>cydD</i> in <i>Escherichia coli</i> : <i>cydD</i> functions are required for cell stability at high pressure," <i>J. Biochem.</i> 120:301 (1996).	

Examiner's Signature	<i>[Signature]</i>	Date Considered	4/23/05
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STATEMENT BY APPLICANT

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Complete if Known

Application Number	10/773,918
Filing Date	February 6, 2004
First Named Inventor	Gjalt W. Huisman
Group Art Unit	1662
Examiner Name	Charles L. Patterson, Jr.
Attorney Docket Number	MBX 017 CON (2)

Sheet 7 of 14

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		KATO, et al., "Production of a novel copolyester of 3-hydroxybutyric acid with a medium-chain-length 3-hydroxyalkanoic acids by <i>Pseudomonas</i> sp. 61-3 from sugars," <i>Appl. Microbiol. Biotechnol.</i> 45:363-70 (1998).	
		KEUNTJE, et al., "Expression of the putA gene encoding proline dehydrogenase from <i>Rhodobacter capsulatus</i> is independent of NtrC regulation but requires an Lrp-like activator protein," <i>J. Bacteriol.</i> 177:6432 (1995).	
		KIMURA, et al., "Production of Poly(3-hydroxybutyrate-co-4-hydroxybutyrate) by <i>Pseudomonas Acidovorans</i> ," <i>Biotechnol. Lett.</i> 14:445 (1992).	
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		LEE, et al., "Biosynthesis of copolyesters consisting of 3-hydroxybutyric acid and medium-chain-length 3-hydroxyalkanoic acids from 1,3-butanediol or from 3-hydroxybutyrate by <i>Pseudomonas</i> sp. A33," <i>Appl. Microbiol. Biotechnol.</i> 42: 901-909 (1995).	

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/773,816
		Filing Date	February 6, 2004
		First Named Inventor	Gjalt W. Huisman
		Group Art Unit	1652
		Examiner Name	Charles L. Patterson, Jr.
Attorney Docket Number	MBX 017 CON (2)		
Sheet	8	of	14

OTHER ART - NON PATENT LITERATURE DOCUMENTS		
Examiner's Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
		LEE, et al., "Enhanced biosynthesis of P(3HB-3HV) and P(3HB-4HB) by amplification of the cloned PHB biosynthesis genes in <i>Alcaligenes eutrophus</i> ," <i>Biotechnol. Lett.</i> 19: 771-774 (1997).
		LEMOIGNE & ROUKHELMAN, "Fermentation L-Hydroxybutyrique," <i>Annales des Fermentations</i> 5: 527-536 (1925).
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		MAT-JAN, et al., "Anaerobic growth defects resulting from gene fusions affecting succinyl-CoA synthetase in <i>Escherichia coli</i> K12," <i>Mol. Gen. Genet.</i> 216:278-280 (1989).
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		MCFALL & NEWMAN, "Amino Acids as Carbon Sources," in <i>Escherichia coli and Salmonella</i> , (Neidhardt, ed.), pp. 355-379, ASM Press: Washington, D.C., 1998.
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Examiner's Signature	<i>[Signature]</i>	Date Considered	4/6-3/05
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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/773,916
		Filing Date	February 6, 2004
		First Named Inventor	Gjalt W. Huisman
		Group Art Unit	1652
		Examiner Name	Charles L. Patterson, Jr.
Sheet	9 of 14	Attorney Docket Number	MBX 017 CON (2)

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ¹
		MILLER, et al., "Cloning and characterization of gdhA, the structural gene for glutamate dehydrogenase of <i>Salmonella typhimurium</i> ," <i>J. Bacteriol.</i> 157:171-178 (1984).	
		MIYAMOTO, et al., "Possible physiological roles of aspartase, NAD- and NADP-requiring glutamate dehydrogenases of <i>Pseudomonas fluorescens</i> ," <i>J. Biochem.</i> 112:52-58 (1992).	
		MOORE & BOYLE, "Nucleotide sequence and analysis of the spaA gene encoding biosynthetic arginine decarboxylase in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 172:4831 (1990).	
		MORRISSEY, et al., "Partial cloning and characterization of an arginine decarboxylase in the kidney," <i>Kidney Int.</i> 47:1458 (1995).	
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		NAGASU, et al., "Nucleotide Sequence of the GDH gene coding for the NADP-specific glutamate dehydrogenase of <i>Saccharomyces cerevisiae</i> ," <i>Gene</i> 37:247-253 (1984).	
		NAKAMURA, et al., "Cloning and sequencing of novel genes from <i>Vibrio alginolyticus</i> that support the growth of K ⁺ uptake-deficient mutant of <i>Escherichia coli</i> ," <i>Biochim. Biophys. Acta</i> 1277:201 (1996).	
		NAM, et al., "Differential expression of ADC mRNA during development and upon acid stress in soybean (<i>Glycine max</i>) hypocotyle," <i>Plant Cell Physiol.</i> 38:1156 (1997).	
		OLIVER, et al., "Determination of the nucleotide sequence for the glutamate synthase structural genes of <i>Escherichia coli</i> K-12," <i>Gene</i> 60:1 (1987).	
		OWEN & PEN, eds., <i>Transgenic Plants: A Production System for Industrial and Pharmaceutical Proteins</i> John Wiley & Sons Ltd: England, 1988.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/773,918
		Filing Date	February 6, 2004
		First Named Inventor	Gjalt W. Hulsman
		Group Art Unit	1652
		Examiner Name	Charles L. Patterson, Jr.
Sheet 10 of 14	Attorney Docket Number	MBX 017 CON (2)	

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		PARK, et al., "Isolation and characterization of recombinant mitochondrial 4-aminobutyrate aminotransferase," <i>J. Biol. Chem.</i> 268:7836-7839 (1993).	
		PELANDA, et al., "Glutamate synthase genes of the diazotroph <i>Azospirillum brasilense</i> . Cloning, sequencing, and analysis of functional domains," <i>J. Biol. Chem.</i> 268:3099 (1993).	
		PEREZ-AMADOR, et al., "Expression of arginine decarboxylase is induced during early fruit development and in young tissues of <i>Pisum sativum</i> (L)," <i>Plant Mol. Biol.</i> 28:997 (1995).	
		PERLAK, et al., "Modification of the coding sequence enhances plant expression of insect control protein genes," <i>Proc. Natl. Acad. Sci. USA</i> 88: 3324 (1991).	
		PETIT, et al., "PcrA is an essential DNA helicase of <i>Bacillus subtilis</i> fulfilling functions both in repair and rolling-circle replication," <i>Mol. Microbiol.</i> 29:261 (1998).	
		POIRIER et al., "Polyhydroxybutyrate, a Biodegradable Thermoplastic Produced in Transgenic Plants," <i>Science</i> 256:520-523 (1992).	
		PRESECAN, et al., "The <i>Bacillus subtilis</i> genome from gerBC (311 degrees) to licR (934 degrees)," <i>Microbiology</i> 143:3313 (1997).	
		RASTOGI, et al., "Cloning of tomato (<i>Lycopersicon esculentum</i> Mill.) arginine decarboxylase gene and its expression during fruit ripening," <i>Plant Physiol.</i> 103:829 (1993).	
		REDENBACH, et al., "A set of ordered cosmids and a detailed genetic and physical map for the 8 Mb <i>Streptomyces coelicolor</i> A3(2) chromosome," <i>Mol. Microbiol.</i> 21:77 (1998).	
		REITZER, "Ammonia Assimilation and the Biosynthesis of Glutamine, Glutamate, Aspartate, Asparagine, L-Alanine, and D-Alanine," in <i>Escherichia coli and Salmonella</i> , (Neidhardt, ed.), pp. 391-407, ASM Press: Washington, D.C., 1996.	

Examiner's Signature	<i>Charles L. Patterson, Jr.</i>	Date Considered	9/23/05
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Application Number	10/773,918
Filing Date	February 6, 2004
First Named Inventor	Gjalt W. Hulsman
Group Art Unit	1652
Examiner Name	Charles L. Patterson, Jr.
Attorney Docket Number	MBX 017 CON (2)

Sheet	11	of	14
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On 2/18/05 1449		SAITO & DOI, "Microbial synthesis and properties of poly(3-hydroxybutyrate-co-4-hydroxybutyrate) in <i>Comamonas acidovorans</i> ," <i>Int. J. Biol. Macromol.</i> 18:18 (1994).	
		SAITO, et al., "Microbial Synthesis and properties of Poly(3-hydroxybutyrate-co-4-hydroxybutyrate)," <i>Polym. Int.</i> 39:169 (1996).	
		SAKAKIBARA, et al., "Isolation and characterization of a cDNA that encodes maize glutamate dehydrogenase," <i>Plant Cell Physiol.</i> 36:789-797 (1995).	
		SAVIOZ, et al., "Comparison of proC and other housekeeping genes of <i>Pseudomonas aeruginosa</i> with their counterparts in <i>Escherichia coli</i> ," <i>Gene</i> 88:107 (1990).	
		SCHAAP, et al., "The <i>Agaricus bisporus</i> proA gene encodes a cytosolic delta 1-pyruvate-5-carboxylate dehydrogenase which is expressed in fruit bodies but not in gill tissue," <i>Appl. Environ. Microbiol.</i> 63:57 (1997).	
		SCHERF, et al., "Purification and properties of 4-hydroxybutyrate coenzyme A transferase from <i>Clostridium aminobutyricum</i> ," <i>Appl. Environ. Microbiol.</i> 57:2699-2701 (1991).	
		SCHERF, et al., "Succinate-ethanol fermentation in <i>Clostridium kluyveri</i> : purification and characterization of 4-hydroxybutyryl-CoA dehydratase/vinylacetyl-CoA delta 3-delta 2-isomerase," <i>Arch. Microbiol.</i> 161: 239-245 (1994).	
		SCHLEYER, et al., "Transient, specific and extremely rapid release of osmolytes from growing cells of <i>Escherichia coli</i> K-12 exposed to hypoosmotic shock," <i>Arch. Microbiol.</i> 160:424 (1993).	
	SHAIBE, et al., "Control of Utilization of L-Arginine, L-Ornithine, Agmatine, and Putrescine as Nitrogen Sources in <i>Escherichia coli</i> K-12," <i>J. Bacteriol.</i> 163:936 (1995).		
	SMITH, et al., "Complete genome sequence of <i>Methanobacterium thermoautotrophilum</i> deltaH: functional analysis and comparative genomics," <i>J. Bacteriol.</i> 179:7135 (1997).		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/773,916
		Filing Date	February 6, 2004
		First Named Inventor	Gjalt W. Hulsman
		Group Art Unit	1682
		Examiner Name	Charles L. Patterson, Jr.
		Attorney Docket Number	MBX 017 CON (2)
Sheet	12	of	14

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		SNEDECOR, et al., "Selection, expression, and nucleotide sequencing of the glutamate dehydrogenase gene of <i>Reptostreptococcus asaccharolyticus</i> ," <i>J. Bacteriol.</i> 173:8182-8187 (1991).	
		SÖHLING & GOTTSCHALK, "Molecular analysis of the anaerobic succinate degradation pathway in <i>Clostridium kluyveri</i> ," <i>J. Bacteriol.</i> 178:871-880 (1998).	
		SÖHLING & GOTTSCHALK, "Purification and characterization of a coenzyme-A-dependent succinate-semialdehyde dehydrogenase from <i>Clostridium kluyveri</i> ," <i>Eur. J. Biochem.</i> 212: 121-127 (1993).	
		SOKHANSANDZH, et al., "Transfer of bacterial genes for proline synthesis in plants and their expression by various plant promoters," <i>Genetika</i> 33:905 (1997).	
		STEINBÜCHEL and VALENTIN, "Diversity of bacterial polyhydroxyalkanoic acids," <i>FEMS Microbiol. Lett.</i> 128:219-28 (1995).	
		STEINBÜCHEL and WIESE, et al., "A <i>Pseudomonas</i> strain accumulating polyesters of 3-hydroxybutyric acid and medium-chain-length 3-hydroxyalkanoic acids," <i>Appl. Microbiol. Biotechnol.</i> 37:891-97 (1992).	
		STIM & BENNETT, "Nucleotide sequence of the <i>adi</i> gene, which encodes the biodegradative acid-induced arginine decarboxylase of <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 175:1221 (1993).	
		STRAUB, et al., "Isolation, DNA sequence analysis, and mutagenesis of a proline dehydrogenase gene (<i>putA</i>) from <i>Bradyrhizobium japonicum</i> ," <i>Appl. Environ. Microbiol.</i> 62:221 (1998).	
		SVAB, et al., "Stable transformation of plasmids in higher plants," <i>Proc. Natl. Acad. Sci. USA.</i> 87: 8526-8530 (1990).	
		SYNTICHAKI, et al., "The amino-acid sequence similarity of plant glutamate dehydrogenase to the extremophilic archaeal enzyme conforms to its stress-related function," <i>Gene</i> 168: 87-92 (1996).	

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Application Number	10/773,918
Filing Date	February 6, 2004
First Named Inventor	Gjalt W. Huisman
Group Art Unit	1852
Examiner Name	Charles L. Patterson, Jr.
Attorney Docket Number	MBX 017 CON (2)

Sheet 13 of 14

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		SZUMANSKI & BOYLE, "Analysis and sequence of the speB gene encoding arginine ureohydrolase, a putrescine biosynthetic enzyme in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 172:538, (1990).	
		TELLER, et al., "The glutamate dehydrogenase gene of <i>Clostridium symbiosum</i> . Cloning by polymerase chain reaction, sequence analysis and over-expression in <i>Escherichia coli</i> ," <i>Eur. J. Biochem.</i> 208:181-189 (1992).	
		THAKUR, et al., "Changes in the Electroencephalographic and γ -Aminobutyric Acid Transaminase and Succinic Semialdehyde Dehydrogenase in the Allergen Induced Rat Brain," <i>Biochem. Int.</i> 18:235-243 (1998).	
		TOMB, et al., "The complete genome sequence of the gastric pathogen <i>Helicobacter pylori</i> ," <i>Nature</i> 388:539 (1997).	
		TZIMAGIORGIS, et al., "Molecular cloning, structure and expression analysis of a full-length mouse brain glutamate dehydrogenase cDNA," <i>Biochem. Biophys. Acta</i> 1089: 250-255 (1991).	
		TZIMAGIORGIS, et al., "Structure and expression analysis of a member of the human glutamate dehydrogenase (GLUD) gene family mapped to chromosome 10p11.2," <i>Hum. Genet.</i> 91:433-438 (1993).	
		VALENTIN, et al., "Identification of 4-hydroxyhexanoic acid as a new constituent of biosynthetic polyhydroxyalkanoic acids from bacteria," <i>Appl. Microbiol. Biotechnol.</i> 40:710-16 (1994).	
		VALENTIN, et al., "Identification of 4-hydroxyvaleric acid as a constituent of biosynthetic polyhydroxyalkanoic acids from bacteria," <i>Appl. Microbiol. Biotechnol.</i> 36:507-14 (1992).	
		VALENTIN, et al., "Identification of 5-hydroxyhexanoic acid, 4-hydroxyheptanoic acid and 4-hydroxyoctanoic acid as new constituents of bacterial polyhydroxyalkanoic acids," <i>Appl. Microbiol. Biotechnol.</i> 48:261-67 (1996).	
		VALENTIN, et al., "Production of poly(3-hydroxybutyrate-co-4-hydroxybutyrate) in recombinant <i>Escherichia coli</i> grown on glucose," <i>J. Biotechnol.</i> 58: 33-39 (1997).	

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Substitute for form 1449/APTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	10/773,816
Filing Date	February 6, 2004		
First Named Inventor	Gjalt W. Huisman		
Group Art Unit	1652		
Examiner Name	Charles L. Patterson, Jr.		
Attorney Docket Number	MBX 017 CON (2)		
Sheet	14	of	14

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T*
		VALLE, et al., "Complete nucleotide sequence of the glutamate dehydrogenase gene from Escherichia coli K-12," <i>Gene</i> 27:193-199 (1984).	
		VALLE, et al., "Nucleotide sequence of the promoter and amino-terminal coding region of the glutamate dehydrogenase structural gene of Escherichia coli," <i>Gene</i> 23: 189-209 (1983).	
		WANG, et al., "In vivo cloning of preline genes and its expression in Escherichia coli," <i>Chin. J. Biotechnol.</i> 6:27 (1990).	
		WATSON, et al., "Isolation and Characterization of a Second Arginine Decarboxylase cDNA from Arabidopsis (Accession No. AF009547)," <i>Plant Physiol.</i> 114:1569 (1997).	
		WILLADSEN & BUCKEL, "Assay of 4-hydroxybutyryl-CoA dehydratase from Clostridium aminobutyricum," <i>FEMS Microbiol. Lett.</i> 70:187-192 (1990).	
		WILLIAMS, et al., "Biodegradable plastics from plants," <i>CHEMTECH</i> 28:38-44 (1988).	
		WOLFF, et al., "Dehydrogenases involved in the conversion of succinate to 4-hydroxybutyrate by Clostridium kluyveri," <i>Appl. Environ. Microbiol.</i> 59:1876-1882 (1993).	
		YEE, et al., "Isolation and characterization of a NADP-dependent glutamate dehydrogenase gene from the primitive eucaryote Giardia lamblia," <i>J. Biol. Chem.</i> 267:7539-7544 (1992).	

Examiner's Signature	<i>cf Patterson</i>	Date Considered	8/22/05
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